Technical Data Sheet

MH-300 & MH-300L Single-Sided Headset/Headphone

The MH-300 and MH-300L Series Single-Sided Headsets and Headphones provide the newest design in headset technology from RTS. Designed with you, the user, in mind with its rugged, modular design, lightweight construction, installation options, and its multi-function use beyond the live studio or theater venue. The modular design allows you to interchange modules to allow for the best headset configuration for any environment. The noise-canceling microphone, combined with the headphone transducers, provide clear and precise communication in noisy environments. Finally this headset is not limited to to live studio or venue communications. By installing the appropriate module, you can connect to an MP3 player or any other type of audio device and listen to the programming of your choice.

The MH Series Headsets are designed to provide clear communications for professional applications including live remote or studio broadcasting, film, TV, and theater intercom communications.

The MH Series Headsets and Headphones are audio level limited and conform to the EU Council Directive 2003/10/EC. The time-weighted average of noise exposure levels for a nominal 8-hour working day is not expected to exceed 85dB SPL and a peak of 137dB SPL.

Features

Three (3) Headset Frame Options

The MH Series of headsets gives you three (3) models when selecting the type of headset perfect for your environment:

- Single-Sided Headset without ANR (Active Noise Reduction) (model MH-300 and MH-300L)
- Dual-Sided Headset without ANR (model MH-302 and MH-302L
- Dual-Sided Headset with ANR (model MH-402 and MH-402L)

Modular Design

The modular design of the MH Series allows for many options when configuring the headset for use in your specific environment. The MH-300 series headset and headphone modules are universal, which means they are fully interchangeable, providing flexibility in configuring the headset or headphone to meet your specific needs. The versatility of the MH Series is obvious when using the music/audio module. The music/audio module turns the headset into an everyday headset and allows connection to MP3 players, GPS, and many other audio applications.

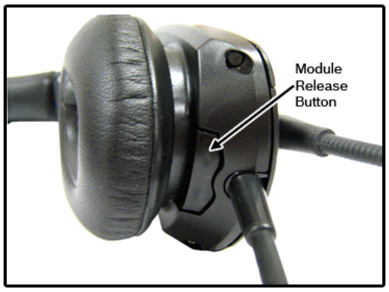
Comfortable Design

The unique design of the MH Series headset is its headband location in relation to the ear cups, delivering more stability when the headset is being worn. Additionally, all user contact points, i.e., ear cup cushions, temple pads, headband cushions, and windscreen are completely replaceable allowing for sanitary use.

Replace Microphone or Listen Only Module

To **replace the microphone or listen only module**, do the following:

1. Press the **module release button** located on the bottom of the ear cup.
   The module pops up from the ear cup.



2. Slide the **module** out and up taking care to clear the mounting tab from the mounting tab hole.
3. To replace the module, align the **mounting tab** with the mounting tab hole.
4. Slide the **module** into place.
5. Press down on the **module**, snapping it into the ear cup.

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Configure the Speaker Volume

Speaker Volume is configured using dip switch settings located on the main board of the headset.

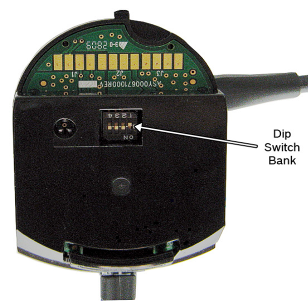
To **configure the speaker volume**, do the following:

1. Remove the **micrphone module** or **listen only module**.
2. Using a small flathead screwdriver (or other device), adjust the **speaker volume**. See the table below.

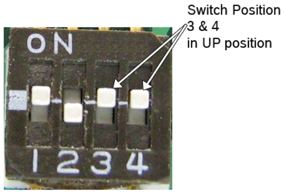
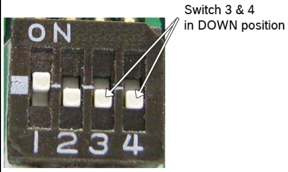
Dip Switch Settings

Dip switches are located on the microphone module and the listen-only module. This feature is not available on the audio input module.

Locate the **dip switch window** on either the boom mic module or the listen-only module.



NOTE: Only switch position 3 and 4 are used to configure speaker volume.

Dip Switch	Description
	**Reduced Volume (-10dB from Normal Volume)**
	**Normal Volume (Default)**

Specifications

Speaker

Transducer Type: Dynamic

Sensitivity: 100dB SPL/mW at 1kHz (normal volume setting)

Impedance: 150Ω nominal

Frequency Response: 100Hz to 10kHz

Distortion: 10%

Microphone

Type:

Noise canceling dynamic

Impedance: 200Ω

Sensitivity: 200Hz to 5kHz

Distortion:<5%

Gross Weight

8oz. (226g)

Cord Length

5.9ft. (1.8m)

Color

Black

For complete information on the use and care of the MH Series of headsets and headphones, please refer to the User Guide located on our website:

http://www.intercomheadsets.com/manuals.php

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